

ABSTRACT

An object of the present invention is to make it possible to accurately grasp the state inside an object to be measured. According to the present invention there is provided a measuring apparatus comprising: quasi-electrostatic field generating means generating a quasi-electrostatic field of higher strength as compared with a radiated electric field and an induced electromagnetic field; quasi-electrostatic field detecting means detecting a result of interaction between the quasi-electrostatic field generated by the quasi-electrostatic field generating means and applied to a human body, and an electric field corresponding to a potential change caused by a biological reaction inside the human body; and extracting means extracting the potential change from the result of interaction.